

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120418.D
 Acq On : 28 May 2020 20:00
 Operator : MA/SJ
 Sample : L2746-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM83-COMP-2020-0-6

Quant Time: May 29 03:28:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	249609	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	871285	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	396634	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	654299	20.00	ng	0.00
76) Chrysene-d12	13.99	240	541646	20.00	ng	0.00
86) Perylene-d12	15.45	264	531306	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1190054	90.86	ng	0.00
7) Phenol-d6	6.46	99	1490432	92.32	ng	0.00
23) Nitrobenzene-d5	7.40	82	938324	70.45	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	344305	93.69	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1686680	72.15	ng	0.00
79) Terphenyl-d14	12.95	244	1552676	63.79	ng	0.00

Target Compounds

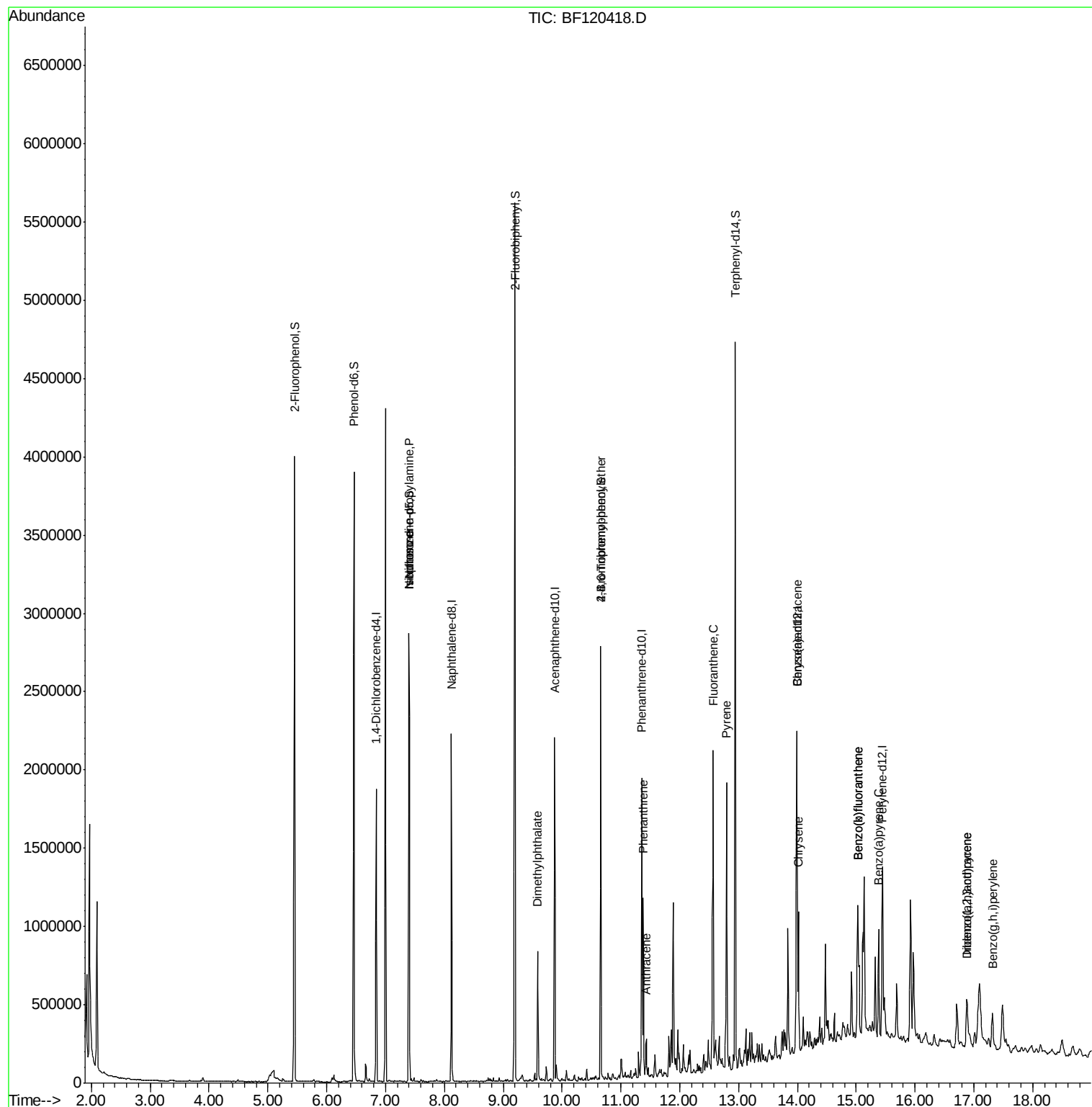
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	126546	12.331	ng	# 78
25) Isophorone	7.40	82	935726	34.953	ng	# 64
50) Dimethylphthalate	9.59	163	295738	11.927	ng	99
67) 4-Bromophenyl-phenylether	10.66	248	21031	3.184	ng	# 1
71) Phenanthrene	11.38	178	373824	12.966	ng	98
72) Anthracene	11.43	178	89763	3.103	ng	98
75) Fluoranthene	12.57	202	733567	23.647	ng	98
78) Pyrene	12.80	202	696355	18.486	ng	99
81) Benzo(a)anthracene	13.99	228	387535	13.350	ng	99
83) Chrysene	14.02	228	371016	12.191	ng	97
87) Indeno(1,2,3-cd)pyrene	16.88	276	203423	7.000	ng	95
88) Benzo(b)fluoranthene	15.03	252	643646	21.811	ng	98
89) Benzo(k)fluoranthene	15.03	252	643646	23.363	ng	99
90) Benzo(a)pyrene	15.39	252	341228	13.219	ng	99
91) Dibenzo(a,h)anthracene	16.89	278	47701	2.013	ng	93
92) Benzo(g,h,i)perylene	17.32	276	191578	8.199	ng	99

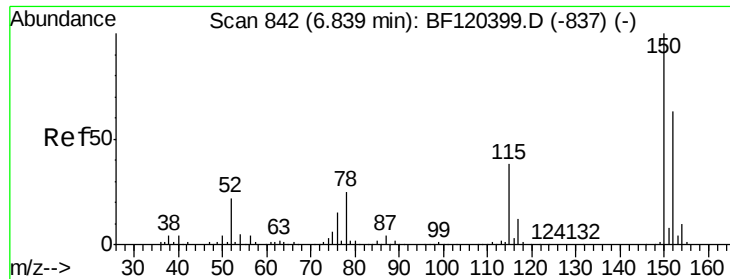
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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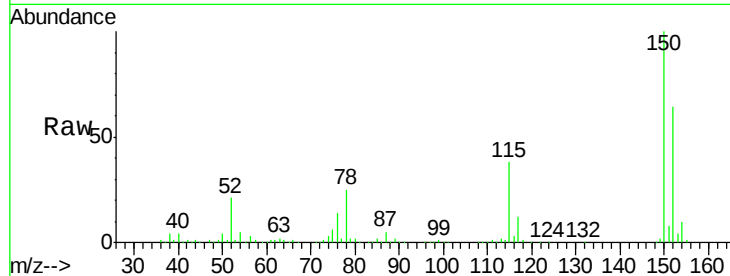


#1

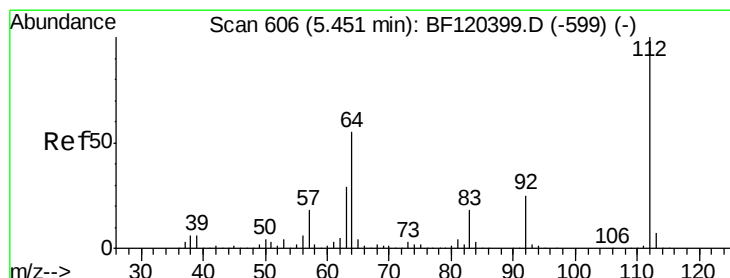
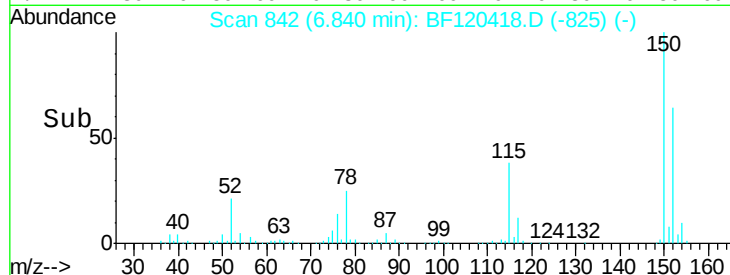
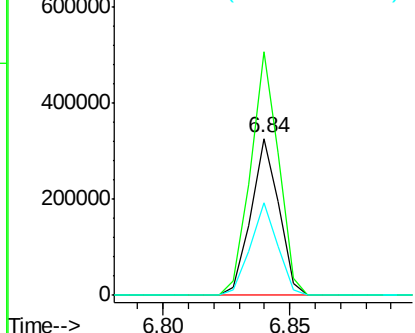
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120418.D
Acq: 28 May 2020 20:00

Instrument :
BNA_F
ClientSampleId :
NM83-COMP-2020-0-6

Tot Ion:152 Resp: 249609
Ion Ratio Lower Upper
152 100
150 155.0 126.5 189.7
115 58.6 47.6 71.4



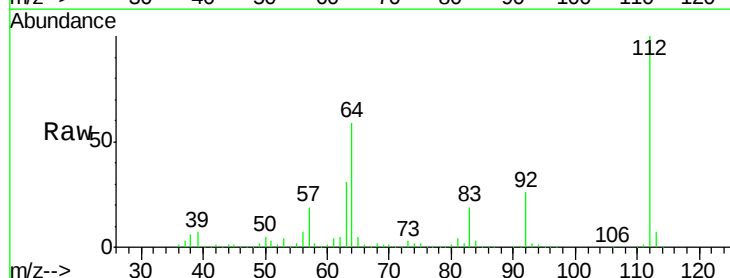
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



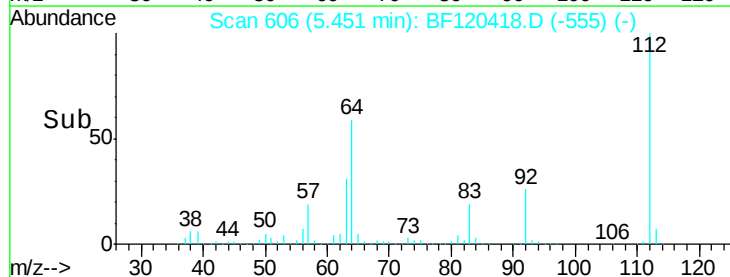
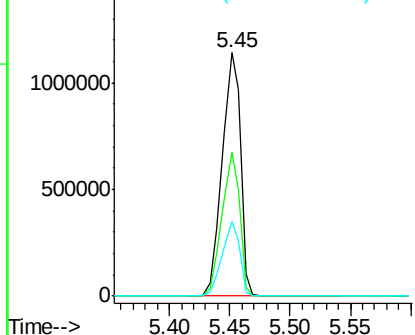
#5

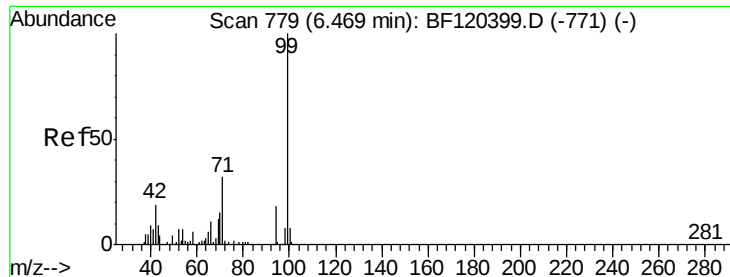
2-Fluorophenol
Concen: 90.860 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120418.D
Acq: 28 May 2020 20:00

Tgt Ion:112 Resp: 1190054
Ion Ratio Lower Upper
112 100
64 58.9 44.3 66.5
63 30.8 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.322 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120418.D

Acq: 28 May 2020 20:00

Instrument :

BNA_F

ClientSampleId :

NM83-COMP-2020-0-6

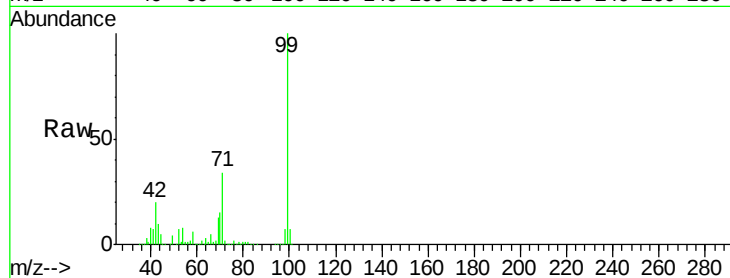
Tot Ion: 99 Resp: 1490432

Ion Ratio Lower Upper

99 100

42 20.1 15.2 22.8

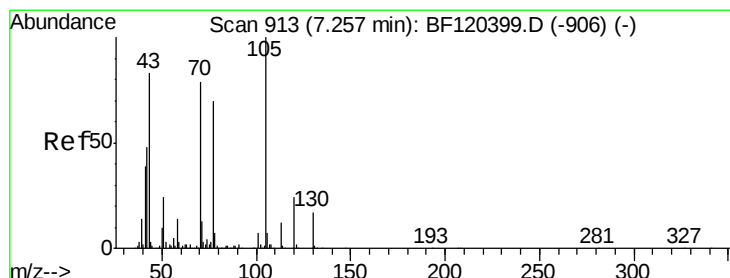
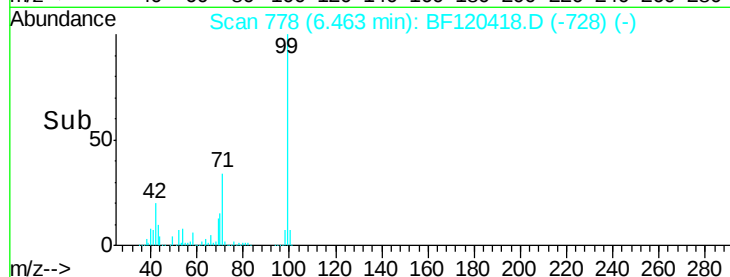
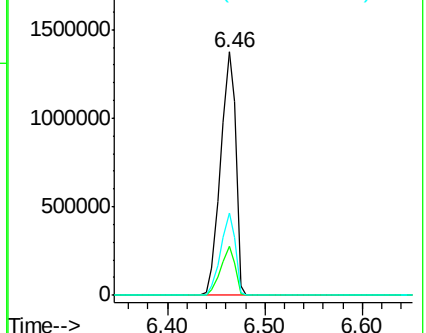
71 33.6 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.331 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120418.D

Acq: 28 May 2020 20:00

Tgt Ion: 70 Resp: 126546

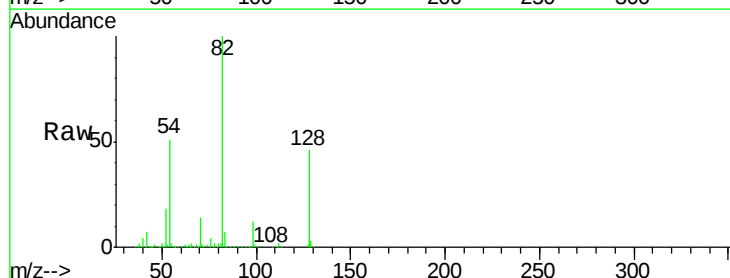
Ion Ratio Lower Upper

70 100

42 49.5 48.9 73.3

101 0.0 7.4 11.2#

130 1.9 16.8 25.2#

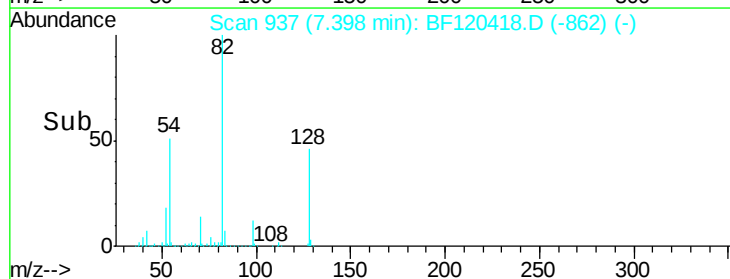
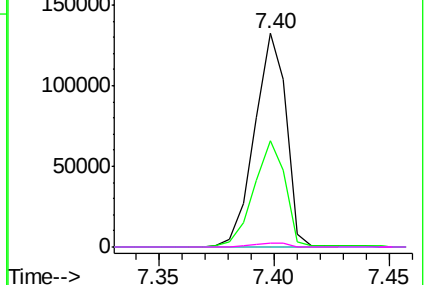


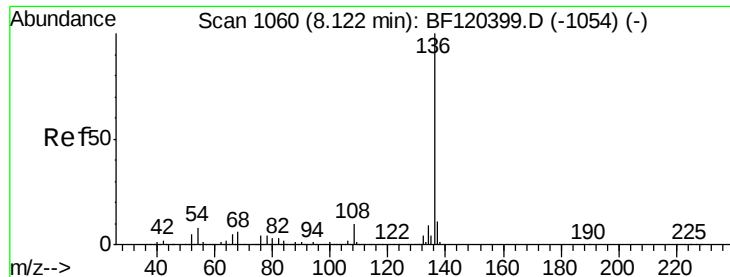
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

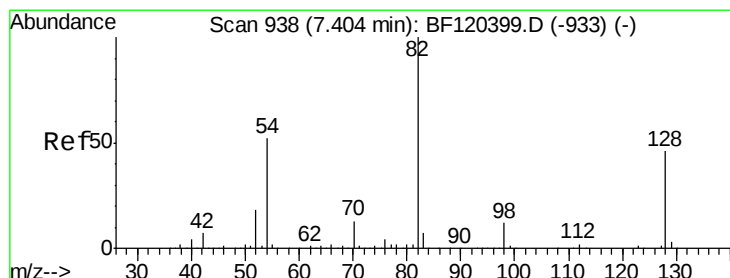
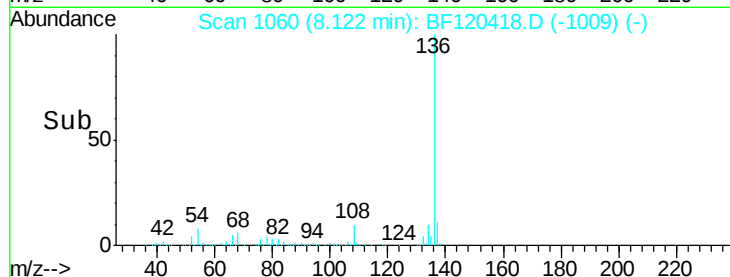
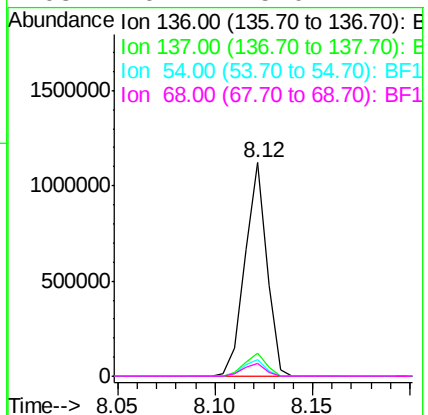
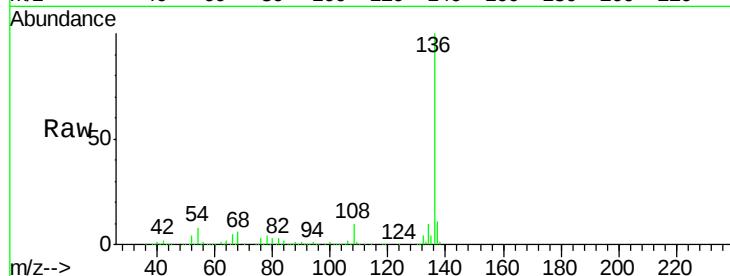




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BF120418.D
Acq: 28 May 2020 20:00

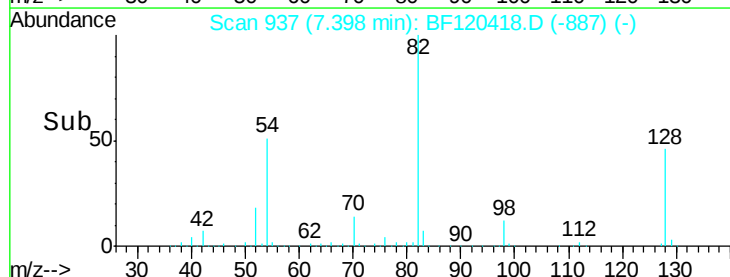
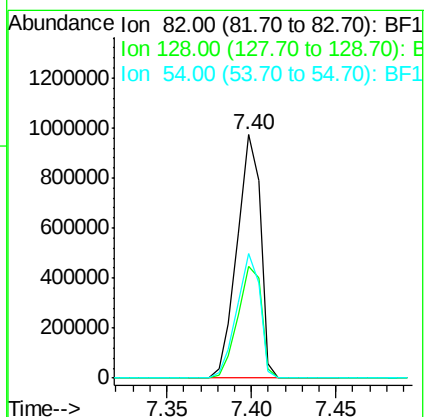
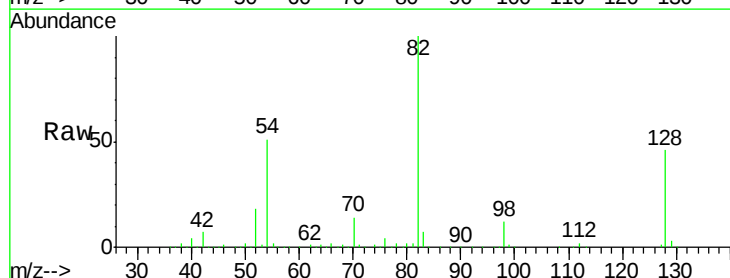
Instrument :
BNA_F
ClientSampleId :
NM83-COMP-2020-0-6

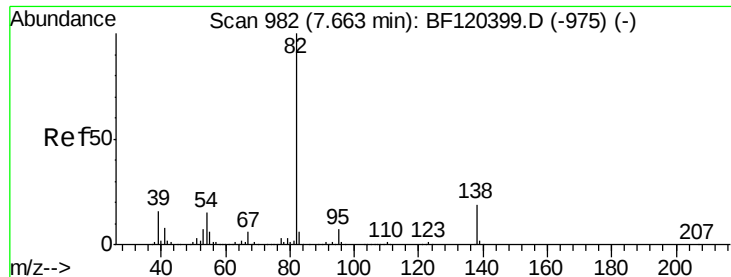
Tot Ion:136	Resp:	871285
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.1 13.7
54	7.8	6.7 10.1
68	6.2	5.0 7.4



#23
Nitrobenzene-d5
Concen: 70.446 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF120418.D
Acq: 28 May 2020 20:00

Tgt Ion: 82	Resp:	938324
Ion	Ratio	Lower Upper
82	100	
128	45.7	36.8 55.2
54	51.3	41.6 62.4





#25

Isophorone

Concen: 34.953 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120418.D

Acq: 28 May 2020 20:00

Instrument :

BNA_F

ClientSampleId :

NM83-COMP-2020-0-6

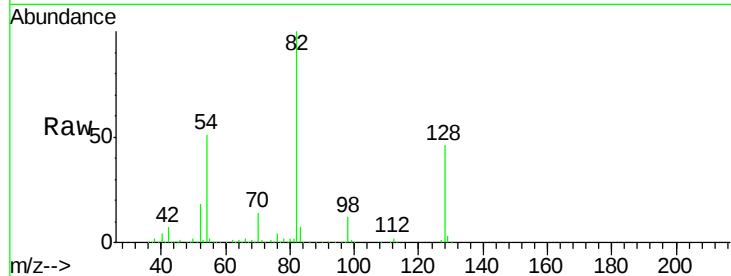
Tot Ion: 82 Resp: 935726

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

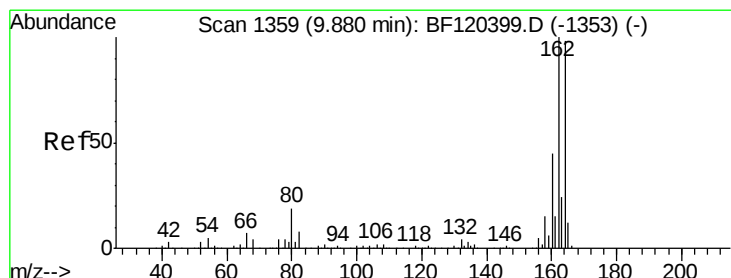
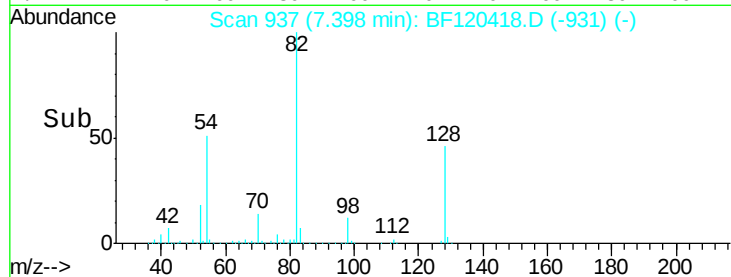
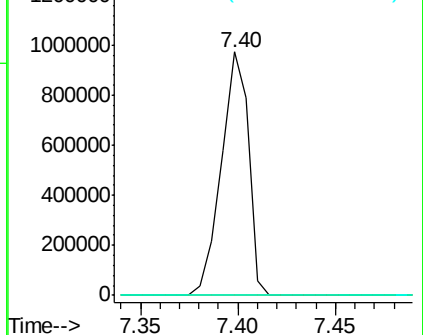
138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF120418.D

Acq: 28 May 2020 20:00

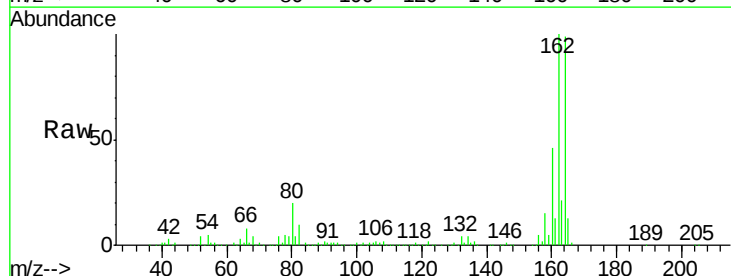
Tgt Ion: 164 Resp: 396634

Ion Ratio Lower Upper

164 100

162 100.7 81.3 121.9

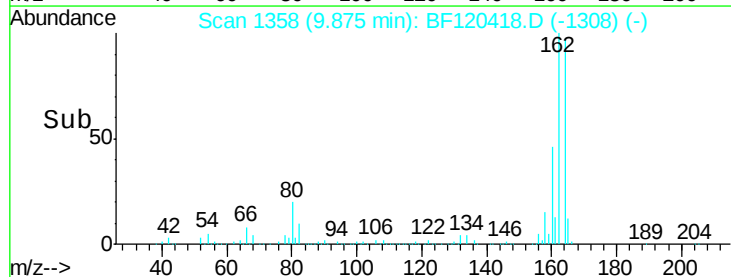
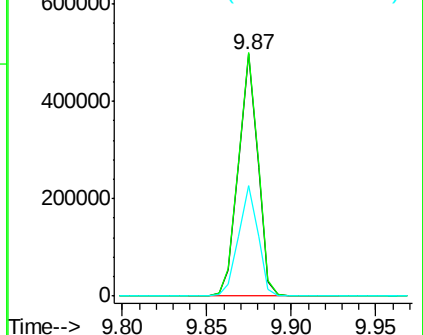
160 45.8 36.9 55.3

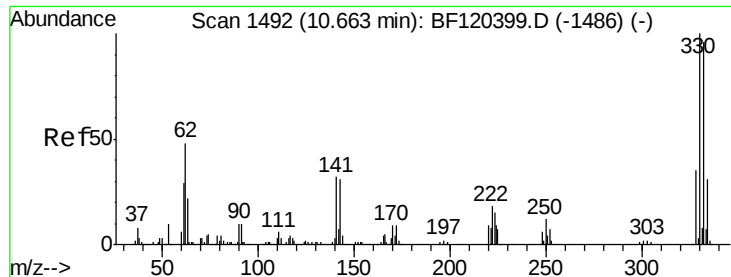


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

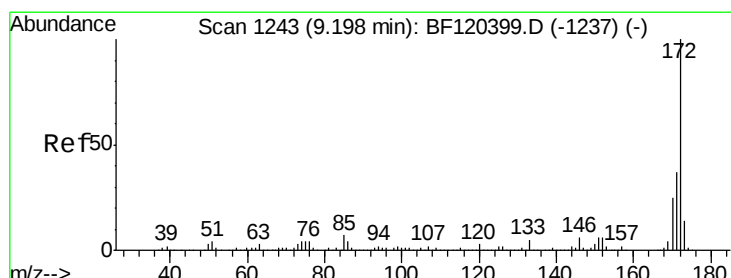
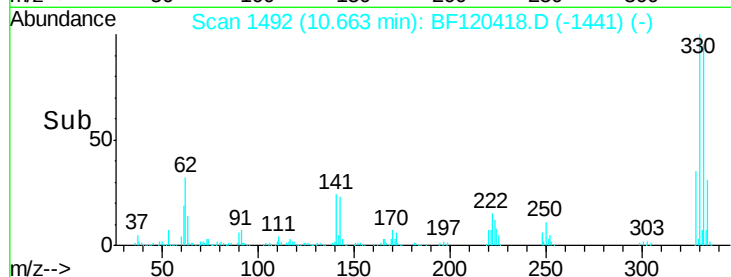
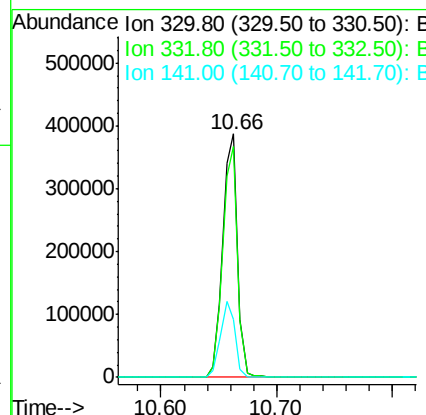
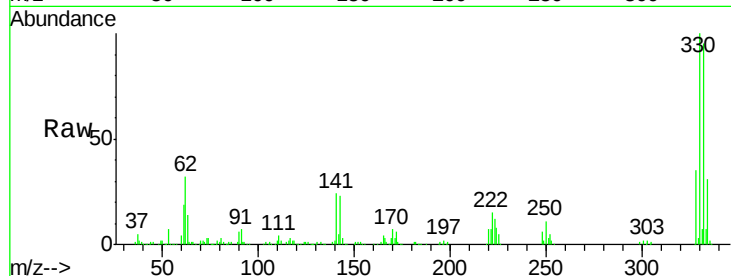




#42
 2,4,6-Tribromophenol
 Concen: 93.689 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120418.D
 Acq: 28 May 2020 20:00

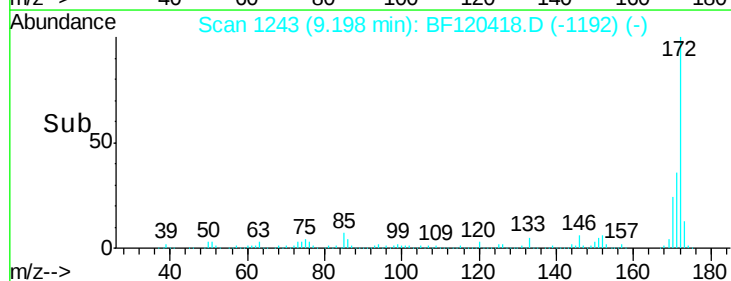
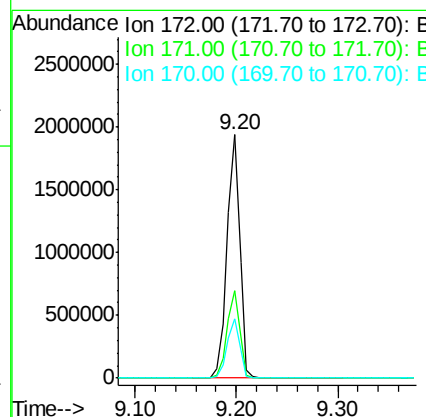
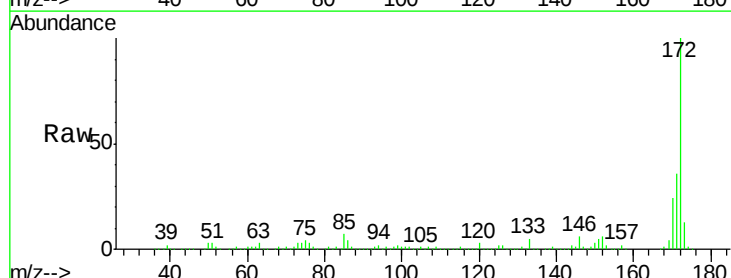
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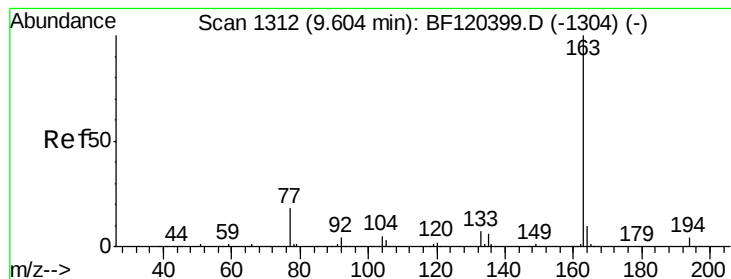
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	31.2	25.3	37.9



#45
 2-Fluorobiphenyl
 Concen: 72.152 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120418.D
 Acq: 28 May 2020 20:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.5	19.9	29.9





#50

Dimethylphthalate

Concen: 11.927 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120418.D

Acq: 28 May 2020 20:00

Instrument :

BNA_F

ClientSampleId :

NM83-COMP-2020-0-6

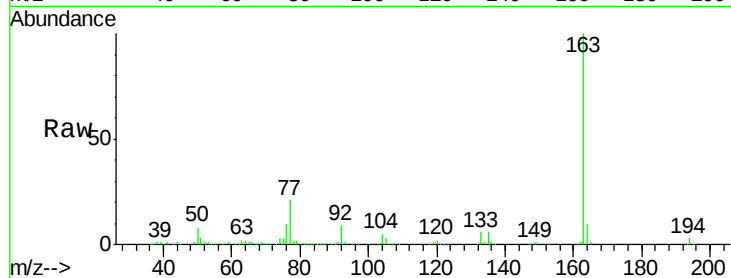
Tot Ion:163 Resp: 295738

Ion Ratio Lower Upper

163 100

194 3.5 3.3 4.9

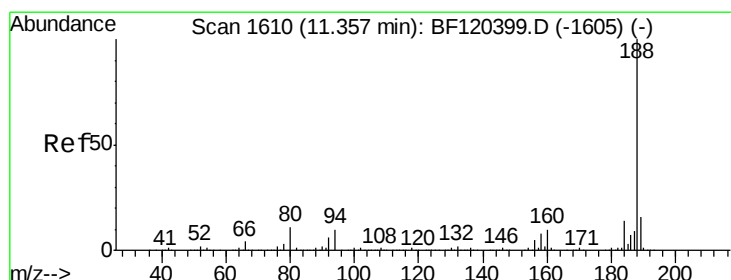
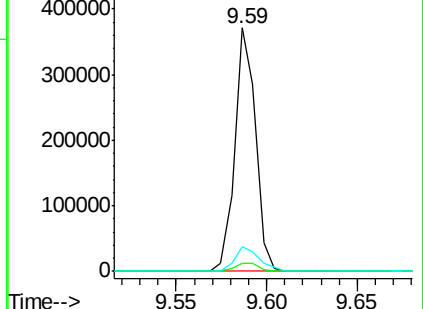
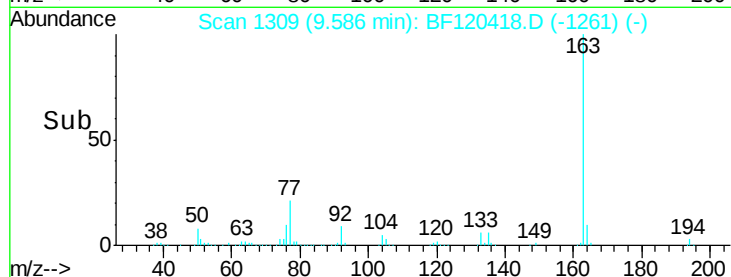
164 10.0 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF120418.D

Acq: 28 May 2020 20:00

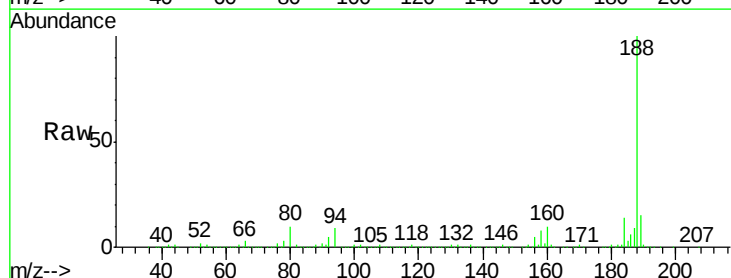
Tgt Ion:188 Resp: 654299

Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

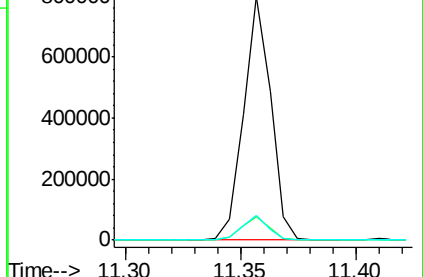
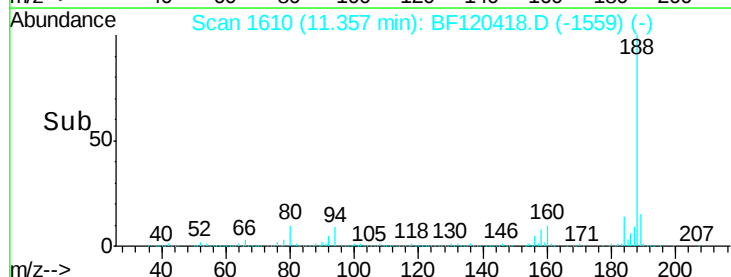
80 10.0 8.6 13.0

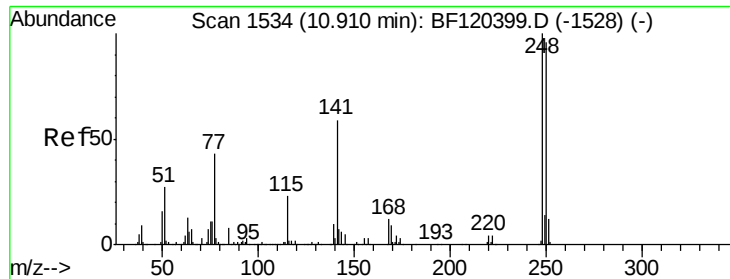


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

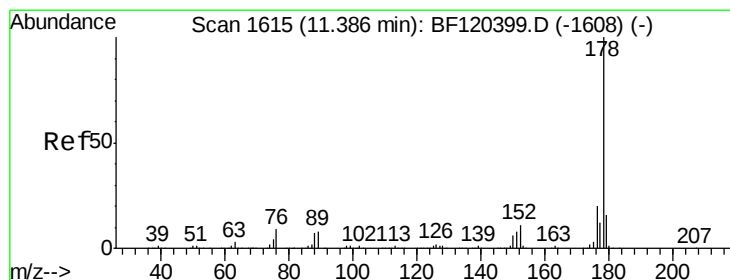
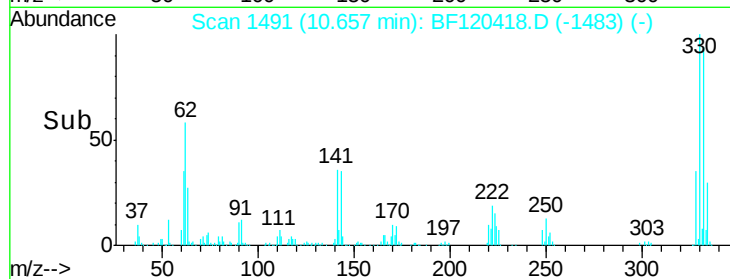
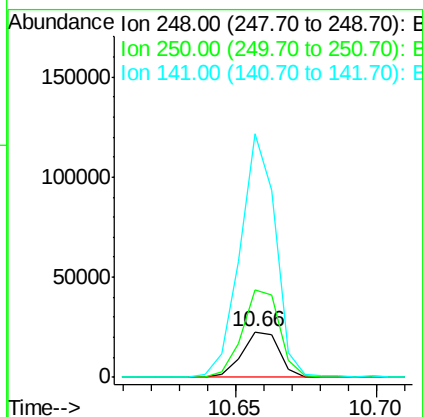
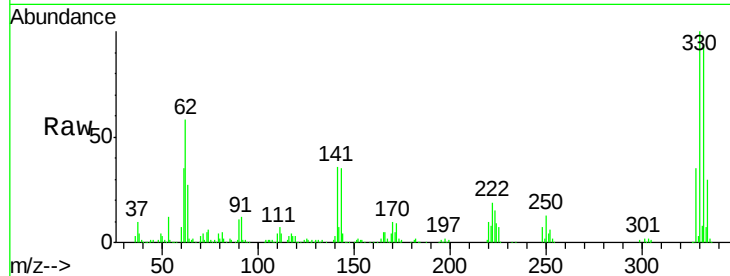




#67
 4-Bromophenyl-phenylether
 Concen: 3.184 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.25 min
 Lab File: BF120418.D
 Acq: 28 May 2020 20:00

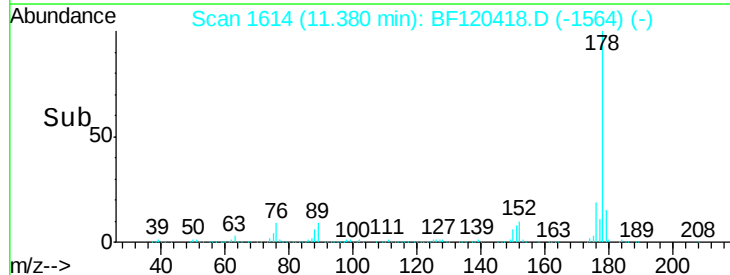
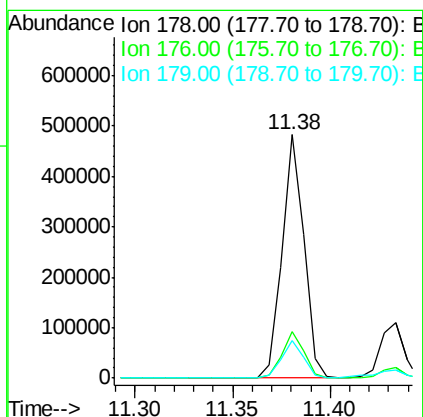
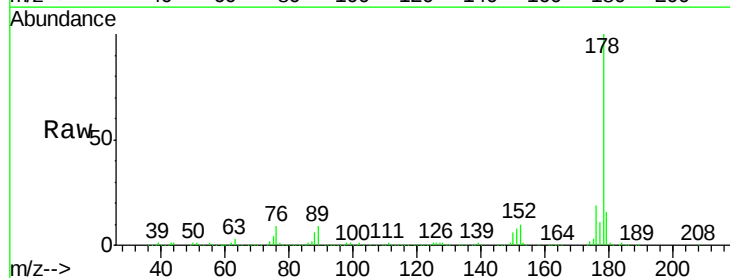
Instrument :
 BNA_F
 ClientSampleId :
 NM83-COMP-2020-0-6

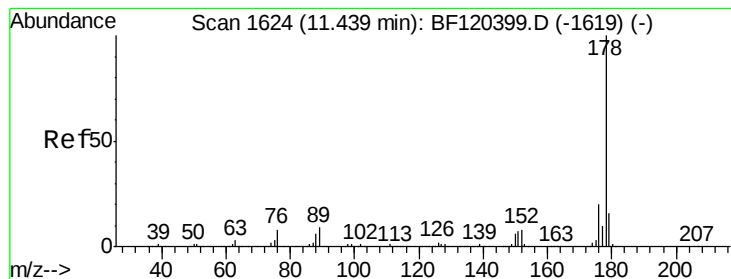
Tot Ion:248 Resp: 21031
 Ion Ratio Lower Upper
 248 100
 250 194.0 76.5 114.7#
 141 537.4 47.2 70.8#



#71
 Phenanthrene
 Concen: 12.966 ng
 RT: 11.38 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF120418.D
 Acq: 28 May 2020 20:00

Tgt Ion:178 Resp: 373824
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.4 24.6
 179 15.5 13.0 19.4





#72

Anthracene

Concen: 3.103 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120418.D

Acq: 28 May 2020 20:00

Instrument :

BNA_F

ClientSampleId :

NM83-COMP-2020-0-6

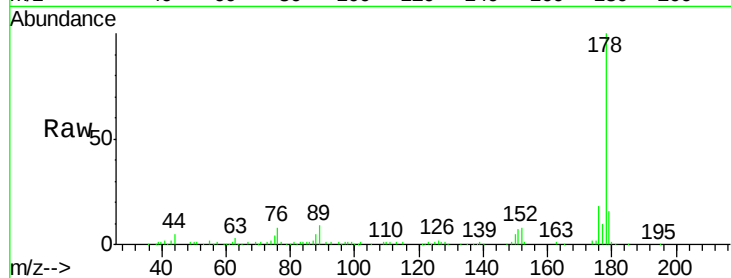
Tot Ion:178 Resp: 89763

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.6

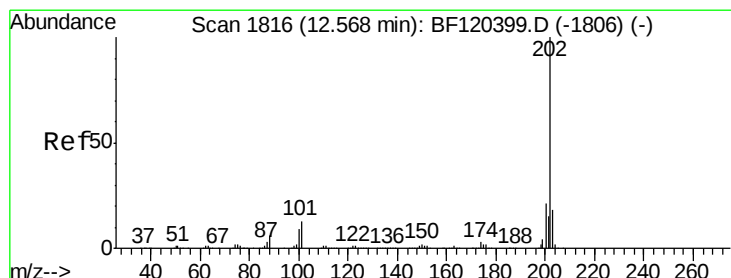
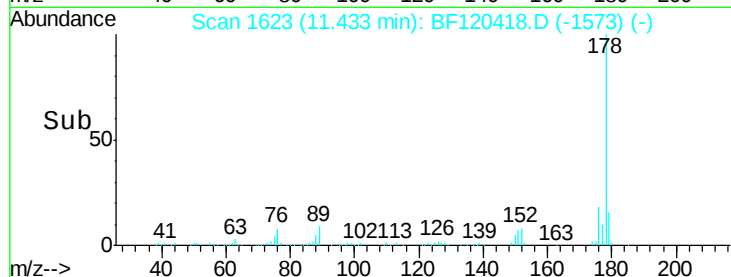
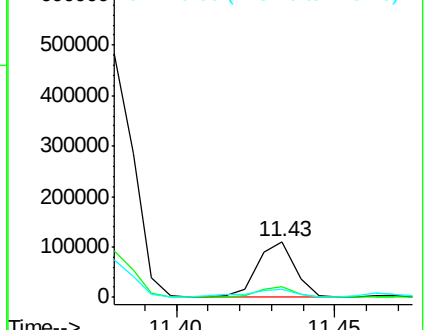
179 15.6 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 23.647 ng

RT: 12.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF120418.D

Acq: 28 May 2020 20:00

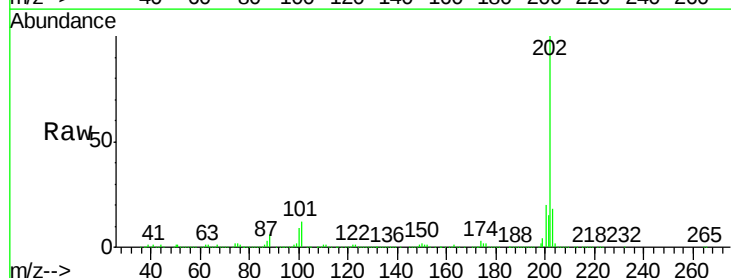
Tgt Ion:202 Resp: 733567

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.6

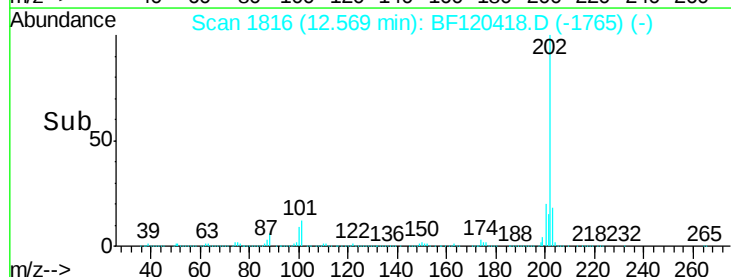
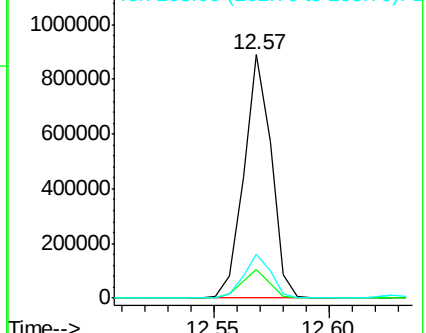
203 17.8 0.0 38.4

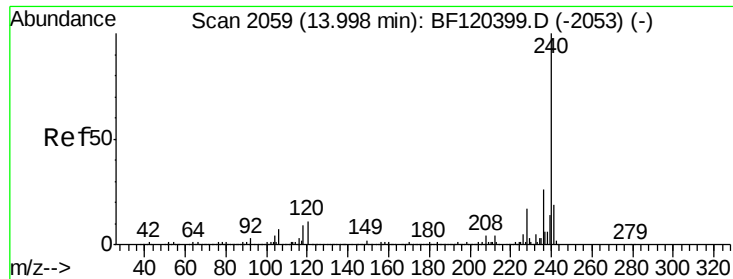


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

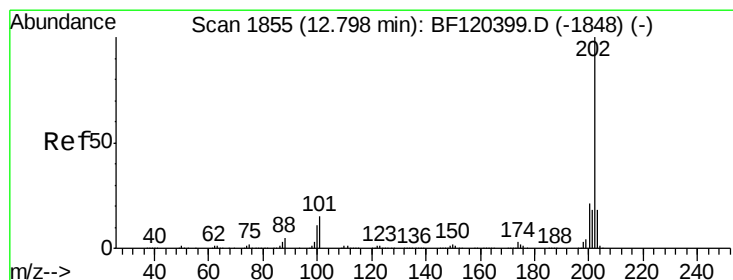
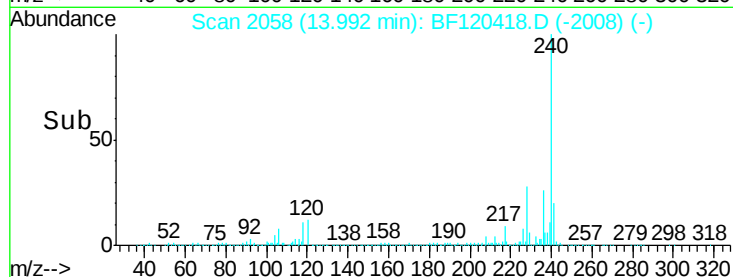
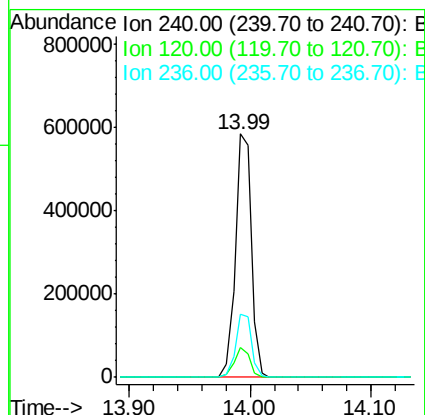
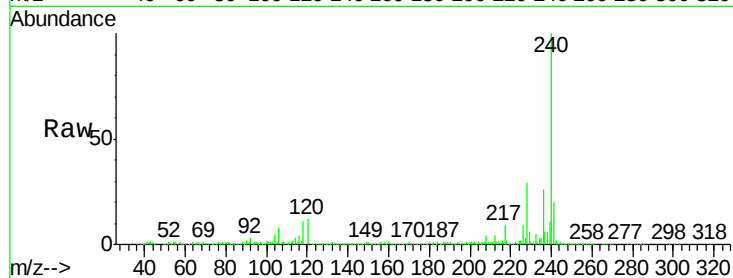




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120418.D
Acq: 28 May 2020 20:00

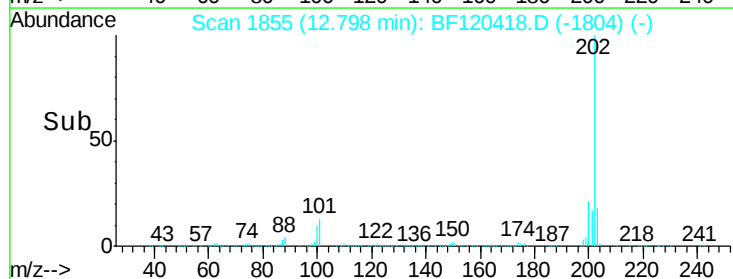
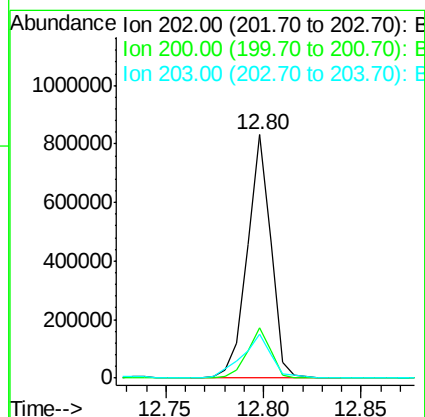
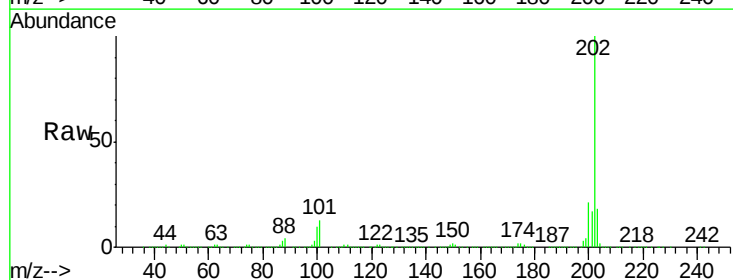
Instrument :
BNA_F
ClientSampleId :
NM83-COMP-2020-0-6

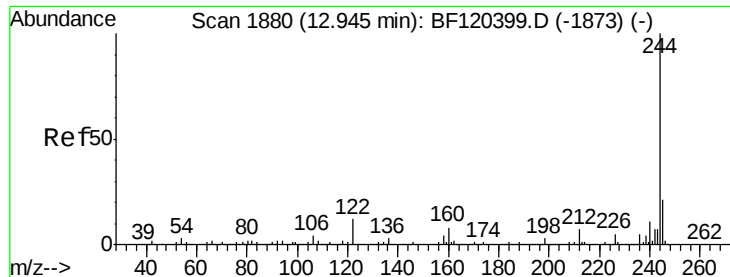
Tot Ion:240 Resp: 541646
Ion Ratio Lower Upper
240 100
120 12.4 8.8 13.2
236 25.9 21.0 31.4



#78
Pyrene
Concen: 18.486 ng
RT: 12.80 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF120418.D
Acq: 28 May 2020 20:00

Tgt Ion:202 Resp: 696355
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 18.0 14.7 22.1





#79

Terphenyl-d14

Concen: 63.788 ng

RT: 12.95 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120418.D

Acq: 28 May 2020 20:00

Instrument :

BNA_F

ClientSampleId :

NM83-COMP-2020-0-6

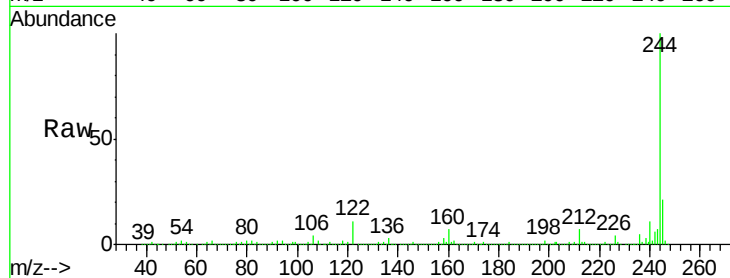
Tot Ion:244 Resp: 1552676

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

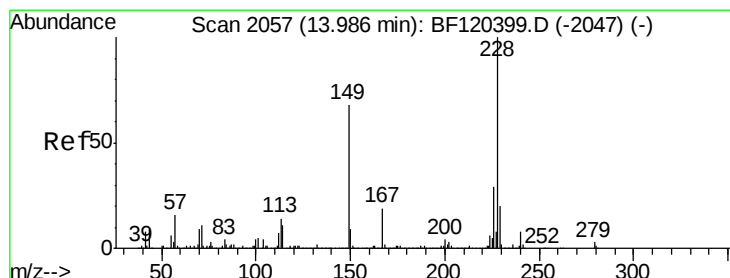
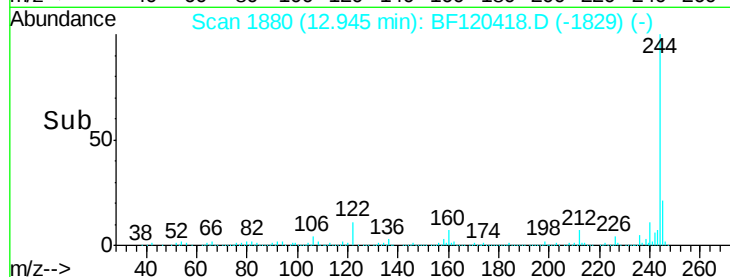
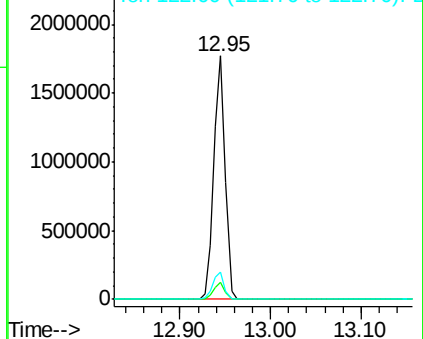
122 11.0 9.2 13.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 13.350 ng

RT: 13.99 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF120418.D

Acq: 28 May 2020 20:00

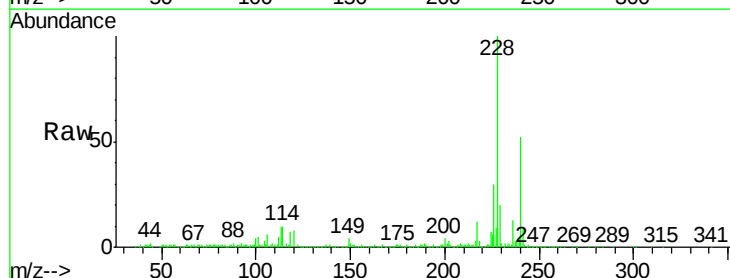
Tgt Ion:228 Resp: 387535

Ion Ratio Lower Upper

228 100

226 29.6 23.0 34.4

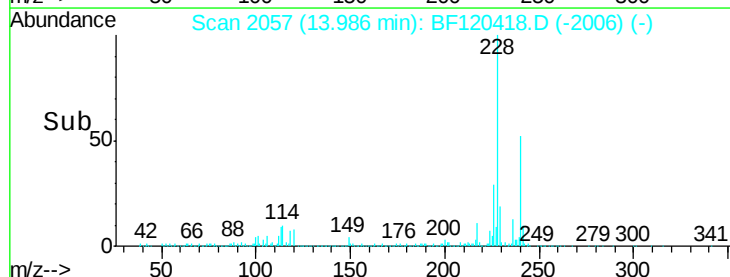
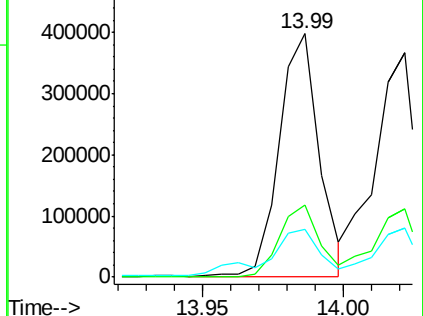
229 19.9 16.2 24.4

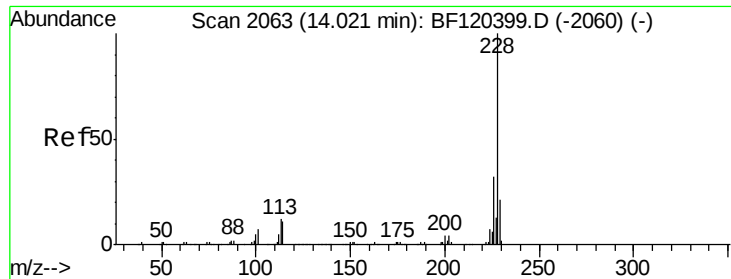


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

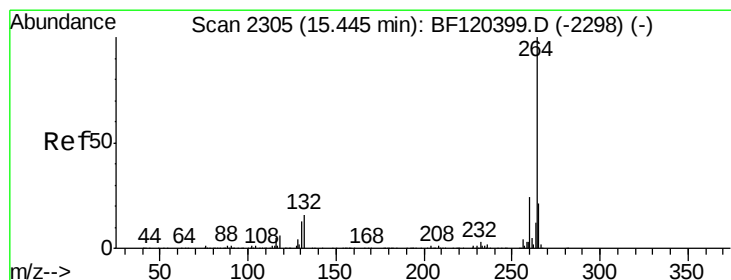
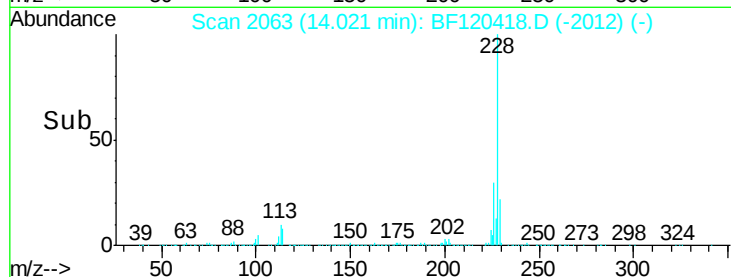
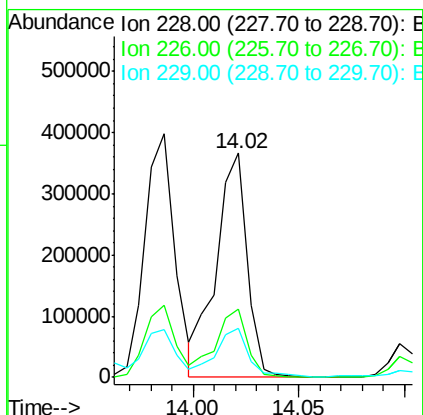
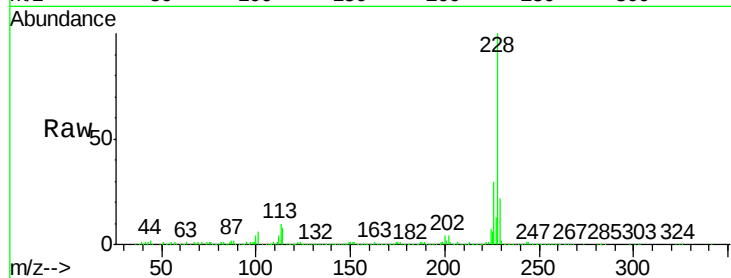




#83
Chrysene
Concen: 12.191 ng
RT: 14.02 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BF120418.D
Acq: 28 May 2020 20:00

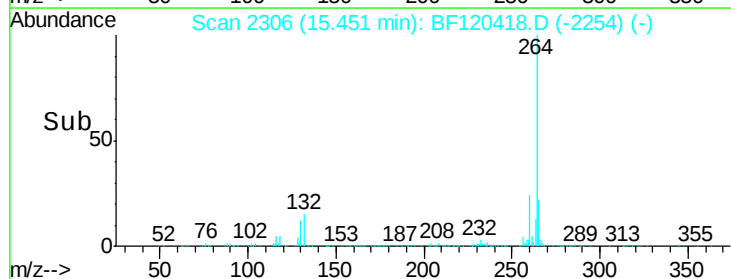
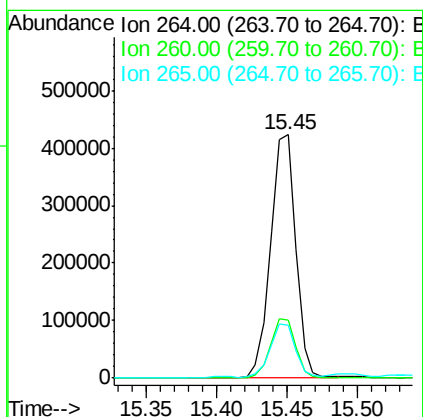
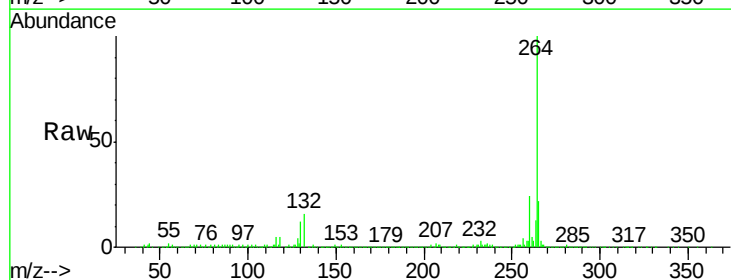
Instrument :
BNA_F
ClientSampleId :
NM83-COMP-2020-0-6

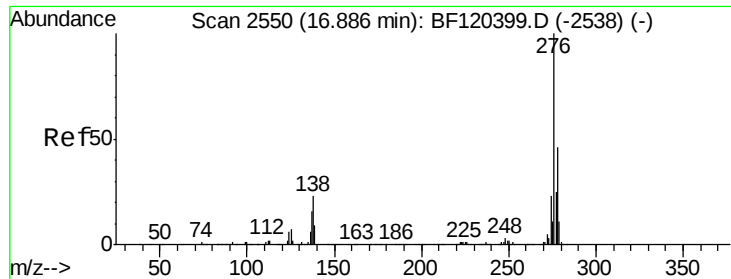
Tot Ion:228 Resp: 371016
Ion Ratio Lower Upper
228 100
226 30.2 25.6 38.4
229 22.1 16.6 25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120418.D
Acq: 28 May 2020 20:00

Tgt Ion:264 Resp: 531306
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.7 16.9 25.3

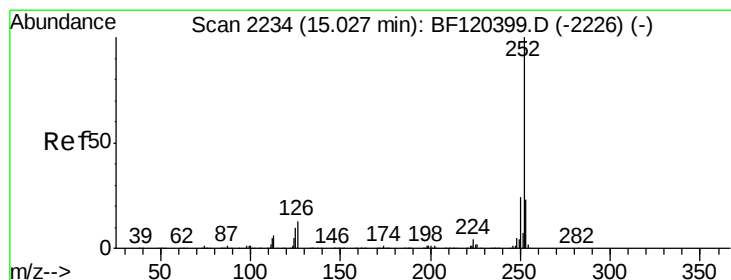
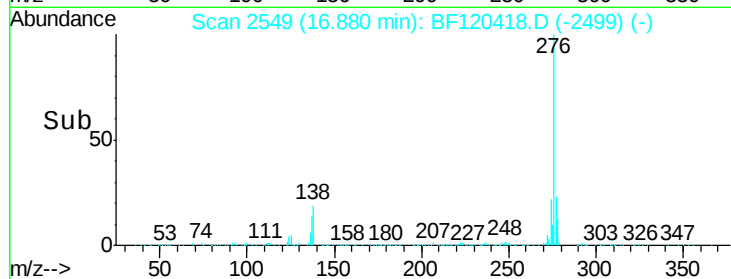
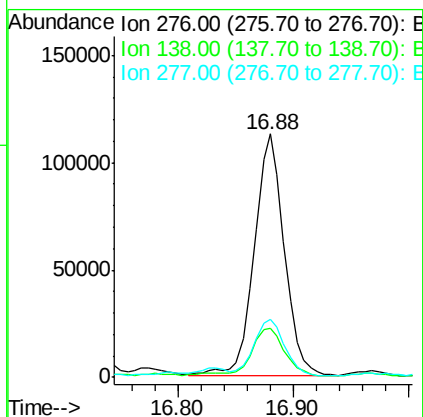
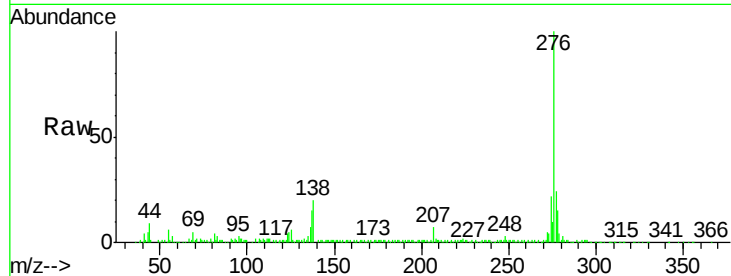




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.000 ng
 RT: 16.88 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BF120418.D
 Acq: 28 May 2020 20:00

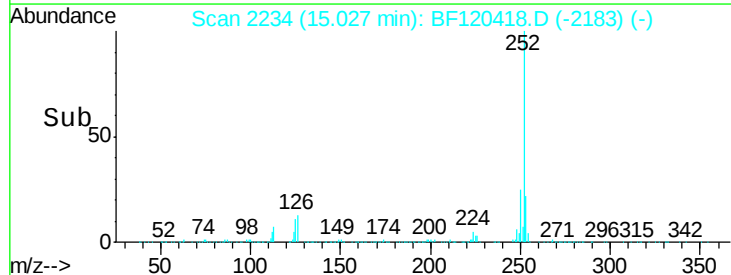
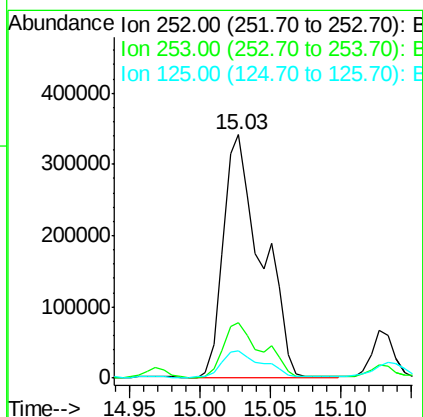
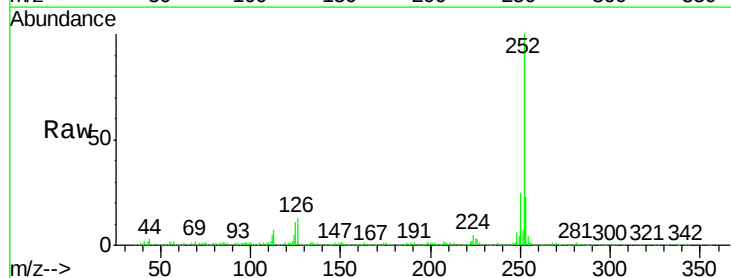
Instrument :
 BNA_F
 ClientSampleId :
 NM83-COMP-2020-0-6

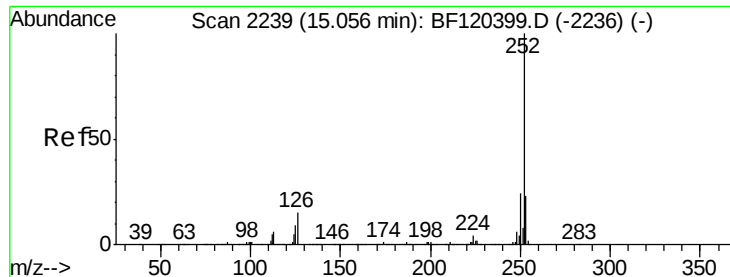
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.4	30.6
277	24.2	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 21.811 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. 0.00 min
 Lab File: BF120418.D
 Acq: 28 May 2020 20:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.1	7.8	11.8

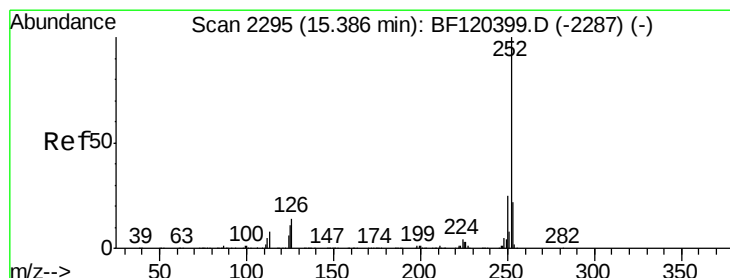
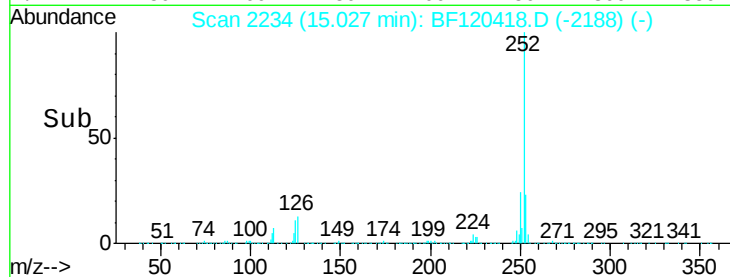
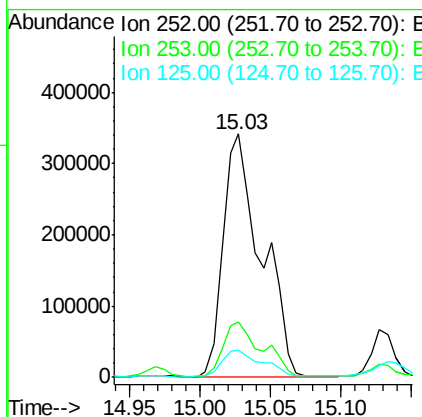
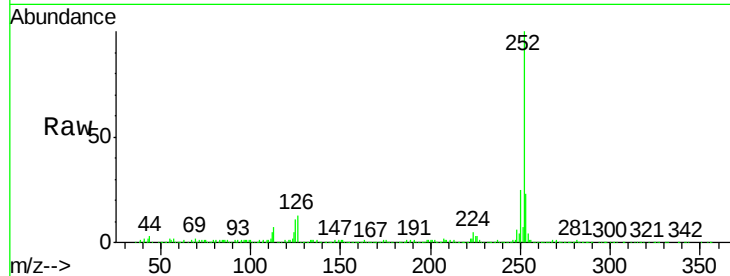




#89
Benzo(k)fluoranthene
Concen: 23.363 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF120418.D
Acq: 28 May 2020 20:00

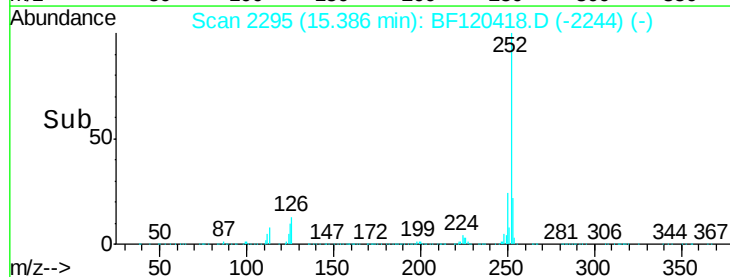
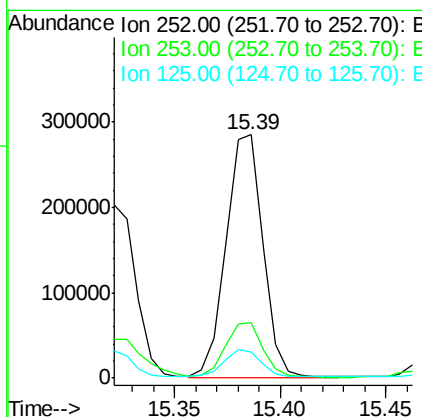
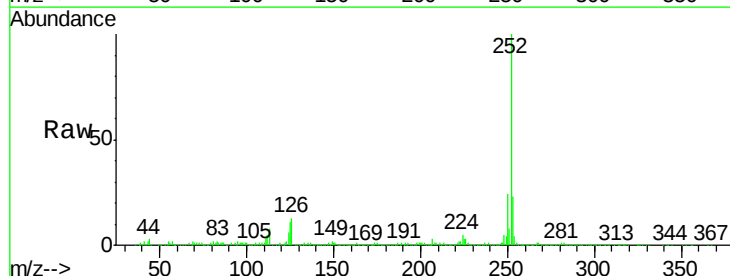
Instrument :
BNA_F
ClientSampleId :
NM83-COMP-2020-0-6

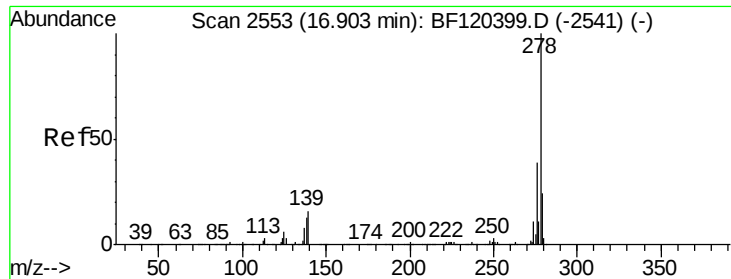
Tot Ion:252 Resp: 643646
Ion Ratio Lower Upper
252 100
253 22.9 18.5 27.7
125 11.1 8.0 12.0



#90
Benzo(a)pyrene
Concen: 13.219 ng
RT: 15.39 min Scan# 2295
Delta R.T. 0.00 min
Lab File: BF120418.D
Acq: 28 May 2020 20:00

Tgt Ion:252 Resp: 341228
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.7 8.7 13.1

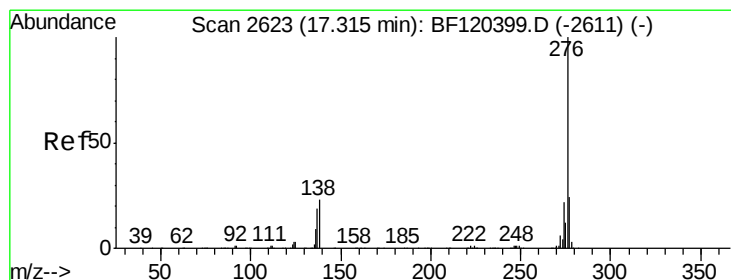
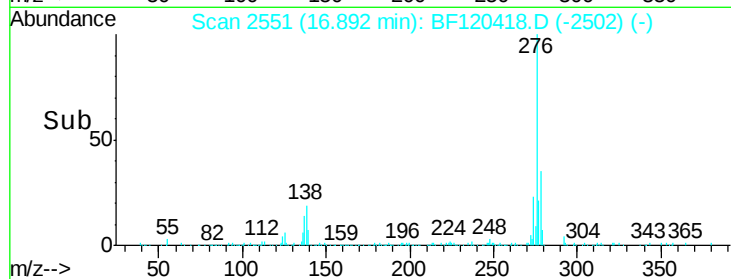
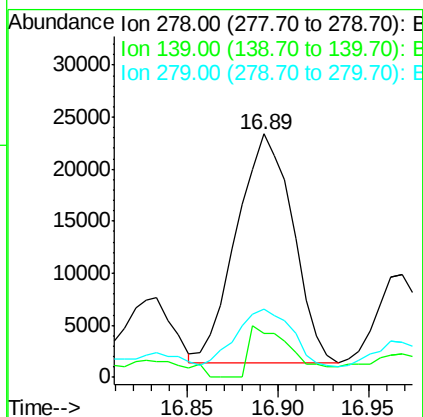
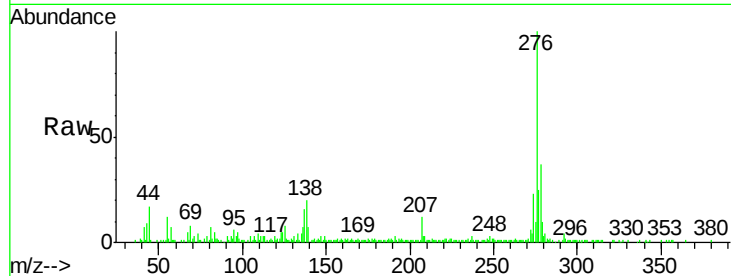




#91
Dibenzo(a,h)anthracene
Concen: 2.013 ng
RT: 16.89 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF120418.D
Acq: 28 May 2020 20:00

Instrument :
BNA_F
ClientSampleId :
NM83-COMP-2020-0-6

Tot Ion:278 Resp: 47701
Ion Ratio Lower Upper
278 100
139 18.0 12.8 19.2
279 27.9 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 8.199 ng
RT: 17.32 min Scan# 2623
Delta R.T. 0.00 min
Lab File: BF120418.D
Acq: 28 May 2020 20:00

Tgt Ion:276 Resp: 191578
Ion Ratio Lower Upper
276 100
277 23.9 19.5 29.3
138 22.1 18.1 27.1

